

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-114-1
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Ford Motor Company exhaust emission control systems for 1978 model-year medium duty vehicles are certified for the vehicles described below:

Engine Family: 300 "C" (1x100)
Engine: 300 CID
Transmission: 3 Speed Automatic, 3 Speed Manual, 4 Speed Manual
Exhaust Emission Control Systems: Pulse Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

Executive Order A-10-114 dated August 9, 1977 is hereby rescinded.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
300 "C" (1x100)	0.6	10	1.1

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-10 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

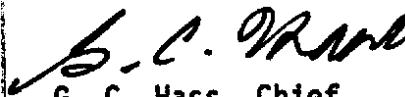
FORD MOTOR COMPANY

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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 13 day of January, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 1

Engine Family 300 "C" (1x100) Engine (CID) 300

ABBREVIATIONS

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection

CAI-Catalyst Air Injection

CAB-Chamber Air Bleed

DD-Dual Displacement

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance

Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TC-Turbo Charged

TR-Thermal Reactor

TWC-Three Way Catalyst

(Feedback Control)

EGR Syst. Service

I-Inspect, repair/replace
as needed

R-Replace

<u>Model</u>	<u>Body Type</u>	<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Levels</u>
<u>F-150</u>	<u>Regular Cab</u>	<u>LWB</u>	<u>A or B</u>	<u>1,2,3,4</u>
	<u>Regular Cab</u>			
	<u>Chassis Cab</u>	<u>LWB</u>	<u>-</u>	<u>1,2,3,4</u>
	<u>Super Cab</u>	<u>SWB or LWB</u>	<u>A</u>	<u>1,2,3,4</u>
	<u>Super Cab</u>			
	<u>Chassis Cab</u>	<u>SWB or LWB</u>	<u>-</u>	<u>1,2,3,4</u>
<u>F-250</u>	<u>Regular Cab</u>	<u>LWB</u>	<u>A or B</u>	<u>1,2,3,4,5</u>
	<u>Regular CAB</u>			
	<u>Chassis Cab</u>	<u>LWB</u>	<u>-</u>	<u>1,2,3,4,5</u>
	<u>Super Cab</u>	<u>SWB or LWB</u>	<u>A</u>	<u>1,2,3,4,5</u>
	<u>Super Cab</u>			
	<u>Chassis Cab</u>	<u>SWB or LWB</u>	<u>-</u>	<u>1,2,3,4,5</u>
	<u>Crew Cab</u>	<u>LWB</u>	<u>A</u>	<u>1,3</u>
	<u>Crew Cab</u>			
	<u>Chassis Cab</u>	<u>LWB</u>	<u>-</u>	<u>1,3</u>
	<u>Wheelbase</u>		<u>Box Design</u>	<u>Trim Level</u>
	<u>SWB Short Wheelbase</u>		<u>A. Styleside</u>	<u>1. Custom</u>
	<u>LWB Long Wheelbase</u>		<u>B. Flareside</u>	<u>2. Ranger</u>
				<u>3. Ranger XLT</u>
				<u>4. Ranger Lariat</u>
				<u>5. Camper Specia</u>

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 1a

Engine Family 300 "C" Engine (CID) 300

<u>Model</u>	<u>Body Type</u>	<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Levels</u>
E-150	Regular Van	SWB or LWB	A, B, or C	1,2,3
	Club Wagon	SWB or LWB	-	1,2,3
	Super Van	LWB	A, B, or C	1,2,3
	Super Wagon	LWB	-	1,2,3
E-250	Regular Van	LWB	A, B, or C	1,2,3
	Club Wagon	LWB	-	1,2,3
	Super Van	LWB	A, B, or C	1,2,3
	Super Wagon	LWB	-	1,2,3

<u>Wheelbase</u>	<u>Box Design</u>	<u>Trim Level</u>
SWB Short Wheelbase	A. Cargo Van	1. Standard
LWB Long Wheelbase	B. Display Van	2. Custom
	C. Window Van	3. Chateau

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars☐ Light-Duty Trucks☒ Medium Duty VehiclesManufacturer Ford Motor CompanyExecutive Order No. A-10-114 -1Page 2Engine Family 300 "C" (1 X 100)Engine (CID) 300Engine Code 8-52U-R0Emission Control System PAI/EGR/OC

+10%(A/C)

Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C.V Mfgr. Part Number	Fuel System Type 1 v Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	<u>E-150</u> Regular Van SWB	A/3	<u>4000</u> <u>19.5</u>	Ford D8TE- 12127-AAA	Ford D8TE- 9510-CNA	D8TE- 9D448-SA No Service Required	1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	Regular Van LWB Super Van LWB Club Wagon SWB, LWB		<u>4500</u> <u>19.5</u>				
	<u>E-250</u> Regular Van LWB						
	<u>E-150</u> Super Wagon LWB		<u>5000</u> <u>19.5</u>				
	<u>E-250</u> Super Van LWB Club Wagon LWB Super Wagon LWB						
	<u>F-150</u> Regular Cab LWB		<u>4000</u> <u>19.5</u>				

Comments: ATT models have special road load HP settings.
See page T for abbreviations and model codes.

Date of Issue 080977 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 2a
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U-R0

Emission Control System PAI/EGR/OC +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C,V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Super Cab LWB,SWB F-250 Regular Cab LWB Super Cab SWB,LWB	A/3	4500 19.5	Ford D8TE-12127-AAA	Ford D8TE-9510-CNA	D8TE-9D448-SA No Service Required	1) 8° ± 2° BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	F-150 CC Regular Cab LWB CC Super Cab SWB,LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

Comments: All models have special road load HP settings.
 See page T for abbreviations and model codes.

Date of Issue 080977 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 3
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U-R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C,V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van SWB	A/3	4000 19.5	Ford D8TE- 12127-AAA	Ford D8TE- 9510-CNA	D8UE- 9D448- HA No Service Required	1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	Regular Van LWB Super Van LWB Club Wagon SWB, LWB		4500 19.5				
	E-250 Regular Van LWB						
	E-150 Super Wagon LWB		5000 19.5				
	E-250 Super Van LWB Club Wagon LWB Super Wagon LWB						
	F-150 Regular Cab LWB		4000 19.5				

Comments: ALL models have special road load HP settings.
 See page T for abbreviations and model codes.

Date of Issue 11/4/77 Revisions:
R/C-ST

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 3a
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-52U- R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C,V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Super Cab LWB,SWB	A/3	4500 19.5	Ford DBTE-12127-AAA	Ford DBTE-9510-CNA	D8UE-9D448-HA No Service Required	1) $8^{\circ} \pm 2^{\circ}$ BTDC @ 550 RPM in drive with hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 550 RPM in drive with all hoses connected.
	F-250 Regular Cab LWB Super Cab SWB,LWB						
	F-150 CC Regular Cab LWB CC Super Cab SWB,LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

Comments: All models have special road load HP settings.
 See page T for abbreviations and model codes.

Date of Issue 11/4/77 Revisions:
R/C-5T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114-1 Page 4
 Engine Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-51S-R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C.V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van SWB	M/3 M/4	4000 19.5	Ford D8TE- 12127-AAA	Ford D8TE- 9510- BUB	D8TE- 9D448-KA No Service Required	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 700 RPM in neutral w/ hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 700 RPM in neutral with all hoses connected.
	Regular Van LWB Super Van LWB Club Wagon SWB, LWB		4500 19.5				
	E-250 Regular Van LWB						
	E-150 Super Wagon LWB		5000 19.5				
	E-250 Super Van LWB Club Wagon LWB Super Wagon LWB						
	F-150 Regular Cab LWB		4000 19.5				

Comments: ATT models have special road load HP settings.
 See page T for abbreviations and model codes.

Date of Issue Revisions:
R/C-10T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles
Manufacturer Ford Motor CompanyExecutive Order No. A-10-114-1Page 4 aEngine Family 300 "C" (1 X 100)Engine (CID) 300Engine
Code 8-51S-20Emission Control System PAI/EGR/OC+10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C.V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Super Cab LWB,SWB	M/3 M/4	4500 19.5	Ford D8TE- 12127-AAA	Ford D8TE- 9510-BUB	D8UE 9D448-KA	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 700 RPM in neutral w/ hoses disconnected and plugged at the distributor.
	F-250 Regular Cab LWB Super Cab SWB,LWB					No Service Required	2) Preset at factory. Do not adjust. See 1978 Ford Service Manual.
	F-150 CC Regular Cab LWB CC Super Cab SWB,LWB		5000 26.5				3) 700 RPM in neutral with all hoses connected.
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

Comments: All models have special road load HP settings.
See page 1 for abbreviations and model codes.

Date of Issue

Revisions:

R/C-10T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars☐ Light-Duty Trucks☒ Medium Duty VehiclesManufacturer Ford Motor CompanyExecutive Order No. A-10-114 -1Page 5Engine Family 300 "C" (1 X 100)Engine (CID) 300Engine
Code 8-51T-R10Emission Control System PAI/EGR/OC+10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class RLHP	Distributor Type C,V Mfgr. Part Number	Fuel System Type 1 V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	F-150 Super Cab LWB, SWB	M/3 M/4	4500 19.5	Ford D8TE- 12127-AAA	Ford D8UE- 9510-ZB	D8TE- 9D448-SA No Service Required	1) $6^{\circ} \pm 2^{\circ}$ BTDC @ 700 RPM in neutral w/ hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 700 RPM in neutral with all hoses connected.
	F-250 Regular Cab LWB Super Cab SWB, LWB						
	F-150 CC Regular Cab LWB CC Super Cab SWB, LWB		5000 26.5				
	F-250 Crew Cab LWB						
	CC Regular Cab LWB CC Super Cab SWB CC Crew Cab LWB		6000 26.5				
	CC Super Cab LWB		6500 26.5				

Comments: All models have special road load HP settings.
See page T for abbreviations and model codes.

Date of Issue

Revisions:

R/C-10T

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☐ Light-Duty Trucks ☒ Medium Duty Vehicles

Manufacturer Ford Motor Company Executive Order No. A-10-114 -1 Page 5a
 Line Family 300 "C" (1 X 100) Engine (CID) 300 Engine Code 8-51T-R10

Emission Control System PAI/EGR/OC +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C.V	Fuel System Type 1 V	EGR System	Tune-Up Specification
			RLHP	Mfgr. Part Number	Mfgr. Part Number	Part No. Service	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
	E-150 Regular Van SWB	M/3 M/4	4000 19.5	Ford D8TE-12127-AAA	Ford D8UE-9510- ZB	D8TE 9D448-SA No Service Required	1) 6° ± 2° BTDC @ 700 RPM in neutral w/ hoses disconnected and plugged at the distributor. 2) Preset at factory. Do not adjust. See 1978 Ford Service Manual. 3) 700 RPM in neutral with all hoses connected.
	Regular Van LWB		4500 19.5				
	Super Van LWB						
	Club Wagon SWB, LWB						
	E-250 Regular Van LWB						
	E-150 Super Wagon LWB		5000 19.5				
	E-250 Super Van LWB						
	Club Wagon LWB						
	Super Wagon LWB						
	F-150 Regular Cab LWB		4000 19.5				

Comments: ATT models have special road load HP settings.
 See page 1 for abbreviations and model codes.

Date of Issue Revisions:

R/C-10T